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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/518,206	12/16/2004	Pingyun Y. Chen	P51364	3204	
20462	7590 12/05/2005	EXAMINER			
	JE BEECHAM CORPO EINTELLECTUAL PROI	AULAKH, CHARANJIT			
P. O. BOX 15		ART UNIT	PAPER NUMBER		
KING OF PRI	USSIA, PA 19406-0939	1625			

DATE MAILED: 12/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

			Application No.		Applicant(s)					
		10/518,206		CHEN ET AL.						
Office Action Summary			Examiner		Art Unit					
			Charanjit S. Aulaki	า	1625					
Period fo	The MAILING DATE of this commun or Reply	ication app	ears on the cover s	sheet with the c	orrespondence ad	ddress				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).										
Status										
1)	Responsive to communication(s) file	ed on		•						
2a)∏	• • •		_· action is non-final							
3)		Since this application is in condition for allowance except for formal matters, prosecution as to the merits is								
.—	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.									
Dispositi	ion of Claims			•						
4)🖂	1)⊠ Claim(s) <u>1-40</u> is/are pending in the application.									
	4a) Of the above claim(s) is/are withdrawn from consideration.									
	Claim(s) is/are allowed.									
6)⊠	☐ Claim(s) <u>1-40</u> is/are rejected.									
7)	Claim(s) is/are objected to.									
8)□	8) Claim(s) are subject to restriction and/or election requirement.									
Applicati	on Papers					•				
9)□	The specification is objected to by the	e Examiner	•.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.										
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).										
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).										
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.										
Priority u	ınder 35 U.S.C. § 119									
 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received. 										
	2. Certified copies of the priority documents have been received in Application No									
3. ☐ Copies of the certified copies of the priority documents have been received in Application No										
application from the International Bureau (PCT Rule 17.2(a)).										
* See the attached detailed Office action for a list of the certified copies not received.										
Attachment	t(s)									
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)										
	e of Draftsperson's Patent Drawing Review (P nation Disclosure Statement(s) (PTO-1449 or		per No(s)/Mail Da	te Itent Application (PTC) 152)					
	r No(s)/Mail Date <u>1 Page</u> .	L10/28/08)		her:	жент аррисацоп (РТС	J-132)				

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DETAILED ACTION

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1. According to a preliminary amendment filed on Dec. 16, 2005, the applicants have amended claim 1.

2. Claims 1-40 are pending in the application.

Claim Rejections - 35 USC § 102

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 35-40 are rejected under 35 U.S.C. 102(b) as being anticipated by Wiedemann (U.S. Patent 4,503,067).

Weidemann discloses carbazolyl-(4)-oxypropanolamine compounds, pharmaceutical compositions containing these compounds and a method of treating circulatory and cardiac diseases such as hypertension, angina pectoris using these compounds. The pharmaceutical composition containing carvedilol (see example 2 and claim 8) and method of treating hypertension and angina pectoris using this compound disclosed by Weidemann anticpates the instant claims. It is of note that instant hydrate and anhydrous forms are not maintained in pharmaceutical compositions as well as following in vivo administration.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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5. The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

- 1. Determining the scope and contents of the prior art.
- 2. Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.
- 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.
- 6. Claims 1-40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hildesheim (U.S. Patent 6,699,997).

Hildesheim discloses new crystalline hydrate and solvate forms of carvedilol, a process for preparing these forms and pharmaceutical compositions containing these forms including carvedilol hydrochloride hydrate and anhydrous form (see examples 1-16 as well as col. 4, line 66 to col. 5, line 27). Hildesheim differs from the instant claims that it does not disclose preparing instant hydrate and solvate forms of carvedilol. However, Hildesheim teaches that the existence and the physical properties of different crystals forms can be determined by a variety of techniques such as X-ray diffraction spectroscopy, differential scanning calorimetry and infrared spectroscopy (see col. 2, lines 50-67). Therefore, one skilled in the art would have been motivated to prepare new instant crystalline hydrate and solvate forms of carvedilol since carvedilol exhibits polymorphism as taught by Hildesheim and Hildesheim also teaches the advantages of of polymorphs, hydrates and solvates such as solubility in aquous solution (gastric juices of patient), the ease of processing the form into pharmaceutical dosages etc. (see col. 2, line 61 to col. 3, line 15).

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Double Patenting

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7. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., In re Berg, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); In re Goodman, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); In re Longi, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); In re Van Ornum, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); In re Vogel, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and In re Thorington, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

8. Claims 1-40 are provisionally rejected on the ground of nonstatutory obviousnesstype double patenting as being unpatentable over claims 1, 2, 33, 34, 41 and 42 of copending Application No. 10/997,230. Although the conflicting claims are not identical, they are not patentably distinct from each other because the instant crystalline hydrate and solvate forms are encompassed by the broader values of these crystalline hydrates and solvates of the cited application.

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charanjit S. Aulakh whose telephone number is

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(571)272-0678. The examiner can normally be reached on Monday through Friday, 8:30 A.M. to 5:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cecilia Tsang can be reached on (571)272-0562. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Charanjit S. Aulakh
Primary Examiner
Art Unit 1625